INSTRUCTIONS

For The Use of The

ARKAY

MODELS C-10 AND E-10 PRINT DRYERS

PLEASE READ THESE INSTRUCTIONS CAREFULLY. THE CARE YOU EXERCISE IN USING THIS DRYER WILL BE REFLECTED IN THE RESULTS YOU GET.

OPERATION

This dryer may be connected to either AC or DC current. Voltage 110 to 120 Volts, Cycles 25 to 60.

It is advisable to preheat the dryer for 30 minutes to allow it to stabilize itself. If you do this you will always get uniform results by timing your drying period.

Note: In an emergency you can begin using the dryer any time after ten minutes of preheating. Drying time will then have to be guessed for the first few batches of prints.

GLOSSY PRINTS

Glossy prints can be turned out at the rate of 5 to 8 minutes per batch by following a few simple rules. Two or three chrome ferro plates should be a part of your equipment. This dryer will accommodate either 10x14 or 11x15" plates.

Here again, let us add a few words of caution. Watch your fixing bath and keep it fresh because a bad fixing bath may cause prints to stick to your ferro plates.

Rule 1: Inspect your ferro plates for finger marks, grease, or any other surface defects. Clean the ferro plates thoroughly; rinse in cold running water and lay them down face up. Do not dry them and do not touch the face of the plates with your fingers.

Rule 2: Remove sufficient prints from the wash water to cover a ferro plate and hold each print under a stream of running water to remove the paper lint. Immediately after a print is rinsed, place it on the ferro plate face down. Continue this procedure until the ferro plate is filled. Now squeegee all excess water from the prints and plate.

Rule 3: Place the loaded ferro plate on the dryer platen face up and close the apron tightly over the prints. In 5 to 10 minutes your prints should be dry and peeled from the ferro plate. The peeling can be detected by a slight crackling sound when the prints reach the point of being dry.

The number of prints per hour can be speeded up by using two or three ferro plates. When one plate is placed on the dryer, proceed to load the second plate. When the second plate is loaded slip this plate under the dryer. Then proceed to load the third plate. When you remove a batch of prints from the dryer, take the plate which is underneath the dryer and place it on the drying surface. Slip your third plate under the dryer and then keep rotating the plates in this manner to obtain maximum output.

It has been found that soaking prints for 10 minutes in a glycerin solution immediately after washing tends to prevent curling or buckling. Use 2 to 3 ounces of glycerin to 32 ounces of water. This solution can be used over and over. Excellent results can be obtained if you follow instructions and experiment to develop your own technique.

FOR DRYING MATTE PRINTS

Drying matte prints presents more of a problem than drying glossy prints. Watch little details: they may mean the difference between success and failure.

-over-

Now let us proceed with a few simple rules for successful matte print drying (1) Watch your fixing bath. Keep it fresh and at a proper temperature. (2) Do not wash your print beyond the required time. (3) Spread a piece of good absorbent cloth over the entire working area of the heating platen. A piece of material such as towels are made of is excellent for this purpose. We will refer to this as the blanket. (4) Remove sufficient prints to cover the blanket from the wash water and wipe off the surplus water. It is not advisable to squeege the print as the print may be distorted, although, with care a squeegee can be used. (5) Spread the prints on the blanket, face up, and close down the dryer apron tightly. Your prints are now sandwiched between the blanket and the apron and must be held under good tension. The blanket in this case is acting as a moisture leveler in the print by conducting vapor between the underneath side of the print and the platen; taking vapor from the wetter portions of the print and allowing it to feed some moisture to the drier portions. (6) Massage the apron with a dry pad directly over the print crosswise and lengthwise for about one minute after apron is clamped down over prints. This is done to insure even contact with the platen. The length of the drying cycle will have to be determined by you through making tests. You will find that the average drying time will approximate 8 to 10 minutes. The thing to remember is that the print must not be bone dry when coming out of the dryer. A trace of moisture should be apparent over the entire area of the print. (7) Remove your prints after the correct drying cycle has been determined and, before cooling, place them between blotters and under pressure for about one-half hour. A slight cockling or weave may appear along one or more edges of the print. This cannot be prevented as the edges of the print will invariably dry faster than the body. Trimming about one-eighth inch off each edge will relieve the stress in the print causing this weave.

PROPER CARE OF YOUR DRYER

Do not immerse your dryer in water. It would be damaged by such abuse.

Do not attempt to squeegee glossy prints to the platen. **Use ferro plates.

Do not pull your apron tension tighter than needed. When an apron is new, usually the tension is sufficient when the first notch is engaged.

**Although we do not advocate squeegeeing glossy prints directly to the chrome dryer platen (Model C-10) this may be done temporarily if chrome ferro type plates cannot be obtained. When drying prints directly to the chrome surface of the model C-10 dryer be sure to finish the squeegeeing operation as quickly as possible. Otherwise the first prints squeegeed to the plate will be semi-dry before the last prints are placed in position. This may cause buckling and "oyster shells".

NOTE

If you have followed instructions, your prints should come out free of egg-shell marks, pock marks or surface cracks. If any of these faults should occur, inspect your ferro plates carefully for grease or defects. If your ferro plates are in satisfactory condition, the fault may lie in the paper itself, as we have found in many instances that the paper gelatin has been effected, because it has been subjected to dry air when held in storage. You can check your paper merely by placing it on the ferro plate in the regular procedure and allowing it to dry without placing it on the dryer. Should you find that your ferro plates and paper are in good condition, try reducing the heat on your dryer. You can do this easily even though your model does not have a heat selector. Place a piece of heavy cloth on the drying surface of your dryer and lay your ferro plate on this cloth and then close the apron. Another method would be to pull the plug of the heater cord from the current supply outlet after your ferro plate has been on the dryer for a period of two to three minutes and allow the prints to dry on the dryer's stored-up heat.

ARKAY CORPORATION
ELECTRICAL DEVICES
1570 South First Street
Milwaukee 4, Wisconsin

Made in U.S.A.
Form CE

Printed in U.S.A.

always look to *Arkay* for the newest . . . for the finest

PROFESSIONAL-DRYER

Precision built and carefully engineered, Arkay's Professional-Dryer eliminates guess work in providing faster, more accurate drying of high gloss and heavy matte prints . . . finished prints in five minutes, ready for display.

Only Arkay Offers You These Extras . . .

1. Variable Heat Selector
2. Electronically balanced lifetime heating elements for even drying
3. High grade chrome curved drying surface.

Model A-20 (size 15¾″ x 21″).......	$44.45
Model A-24 (size 19½″ x 24¾″).....	$48.95

DUPLEX-DRYER

The extra large, 13″ x 18½″, twin drying surfaces plus Arkay's Variable Heat Selector is the reason for its popularity. You'll want one for your darkroom.

Model F-17B (Baked enamel finish drying surface).......	$21.45
Model F-17C (Chrome-finish drying surface).............	$29.45

FLIPPER-DRYER

Now you can have a whole batch of prints in less than five minutes. The Flipper Model is equipped with two, 13″ x 15½″, drying surfaces, won't overheat.

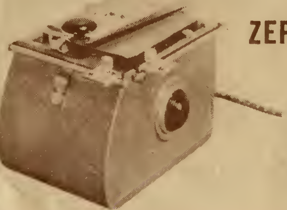
Model F-14B (Baked enamel finish drying surface).......	$14.25
Model F-14C (Chrome finish drying surface).............	$19.25

ECON-DRYER

Copied after more expensive dryers. Econ-Dryer will give long and efficient service at real savings to the beginner.

Model E-10 (Baked enamel finish drying surface)......	$ 9.25
Model C-10 (Chrome finish drying surface).............	$11.95

Note: Arkay dryers are built to Underwriters' Laboratory Specifications.



ZEPHER CONTACT PRINTER

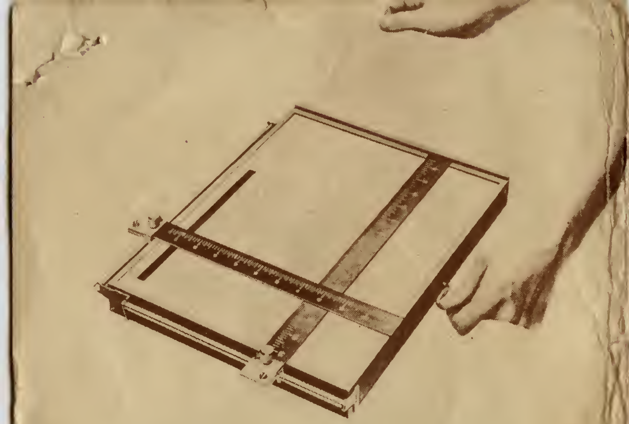
Exclusive "slope-design" . . . non-tip base . . . more light from "safe-lite" lens . . . new no-leak paper-guides . . . time lock mechanism. The finest contact printer made.

Size 4″ x 5″....... $11.95

PHOTRIX PRINT WASHER

So compact that it fits into the smallest darkroom. The only washer with straight line jet flow action. The constant jet flow motion quickly carries away all Hypo solution.

Size: 8″ x 10″....	$5.25
Size: 11″ x 14″....	8.35



it's a beauty Arkay new streamlined easy easel

At Last! An easel that allows perfect placement of prints in One-Easy-Motion! No pressing on prints, no fuss, no bother. Just press the lever—insert the paper to the patented "pin-stop". No border adjustments . . . only two masks. No other easel makes enlarging so Easy.

Size: 5″ x 7″	$5.95
Size: 11″ x 14″	$8.25

Arkay

1570 SOUTH FIRST STREET
MILWAUKEE 4, WISCONSIN

PIONEERS IN THE MANUFACTURING OF PRINT DRYING EQUIPMENT

THE ARKAY "1620" LOADMASTER WASHER

Mistress Mary
Robin Hood' Cake
Little Jack Horner
The Queen' Heart

The new Arkay LOADMASTER is a water powered washer constructed of stainless steel.

The constant rotation of the perforated cylinder drum gives prints a THOROUGH washing in shortest possible time and eliminates matting of prints to each other or to the side of drum.

Single or double weight prints in all sizes up to and including 11x14" can be washed with equal ease. (Several 16x20 can be accommodated if required). The LOADMASTER will accommodate 100 8x10 prints or proportionate quantity 11x14 at one time.

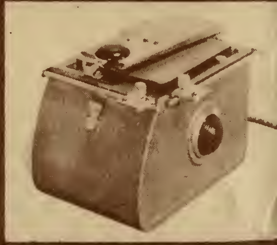
OVERALL DIMENSIONS: Length 19"; Width 15"; Depth 13". WATER CONSUMPTION: 1 gallon per min. giving 6 fresh water changes per hour. No Plumbing connections necessary.

LIST PRICE $83.95 complete with hose connections.

To American Express
Firenze, Italy

Arkay

finest precision
photographic
equipment of it's
kind in the world



7/23/82

Mr. Masters,

I neglected to give you these instructions for the photo dryer last Saturday. Best of luck and fun.

Sincerely,

Dorothy C. V. Pearson

Dorothy C. V. Pearson
5 Woodmoor Drive
Bedford, Ma. 01730